

Date: Thu, 4 Mar 93 04:30:14 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #282  
To: Info-Hams

Info-Hams Digest                      Thu, 4 Mar 93                      Volume 93 : Issue 282

Today's Topics:

FAQ: Supermorse for the PC?  
FT726R  
Help! TVI in touch on lamps.  
How about a J-wire for HF?  
Icom w21 comments ???  
Re: 2m Beam  
Squeeling and sqwaking ICW2A  
ts940 Mars Mod.  
ts940 mod & th46A mods  
WD8DAS synch detector - Impressions?  
Yeadu 5200 information needed

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 3 Mar 1993 00:51:11 GMT  
From: elroy.jpl.nasa.gov!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!panix!  
oppedahl@ames.arpa  
Subject: FAQ: Supermorse for the PC?  
To: info-hams@ucsd.edu

In <1n06nj\$1sf@neuromancer.key.amdahl.com> jerryp@key.amdahl.com (Jerry Pendleton)  
writes:

>Sorry about the wasted bandwidth: I can't find the FAQ andarchie  
>doesn't seem to be any help...

>I would like to find a copy of supermorse that runs on a PC and uses  
>the standard speaker.

Super Morse is definitely the right way to learn code!

Maybe you would have luck telling archie to look for files that start  
with SM21? I seem to recall the filename being SM21 something.

Good luck.

--

Carl Oppedahl AA2KW (intellectual property lawyer)  
30 Rockefeller Plaza  
New York, NY 10112-0228  
voice 212-408-2578 fax 212-765-2519

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Date: 3 Mar 93 19:36:21 GMT  
From: agate!howland.reston.ans.net!usc!hela.iti.org!cs.widener.edu!dsinc!ub!  
galileo.cc.rochester.edu!uhura.cc.rochester.edu!dnlg\_ltd@ames.arpa  
Subject: FT726R  
To: info-hams@ucsd.edu

We have a 6m module for this radio and would like to swap for a  
440-450 MHZ module. We will consider any offer as well as an even swap.

Please reply to:

Dan dnlg\_ltd@uhura.cc.rochester.edu or  
Brian bstp\_ltd@uhura.cc.rochester.edu

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Date: Wed, 3 Mar 1993 19:36:04 GMT  
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!whinery@ames.arpa  
Subject: Help! TVI in touch on lamps.  
To: info-hams@ucsd.edu

In article <14570673@hpnmdla.sr.hp.com> alanb@hpnmdla.sr.hp.com (Alan Bloom)  
writes:

>In rec.radio.amateur.misc, jmeacham@cam.nad.northrop.com (John W Meacham) writes:

>

>>I have a neighbor who has two touch on lamps in his bedroom.

>>... My neighbor came banging on

>>my door saying that I am in his wiring with my radio stuff

>>and it is making his lamps go on and off.

>

>It's a very common problem. I have never heard of a good solution

>to this one other than getting rid of the lamp (or disabling the  
>touch-on feature). I'd be interested if anyone has ever solved it.  
>

I had a problem with a proximity-detector light in the entryway of our house -- whenever I keyed up on HF, the light would come on and just trash all of the bands from 15 meters to 160 meters with splattery S7 level noise. At first, didn't know what the noise source was, but I noticed that it always lasted 4 minutes, 2 seconds (the timer period on the light). I have taken the detector off of the light, so my noise problem is gone, but the light just stays on until somebody turns it off now... I intend to try to add some decoupling caps to try to make it calm down, I'll share the bounty of my experience later.

Alan  
NH6YO

--  
D. Alan Whinery, Computer Networks Engineer |  
The University of Hawaii at Manoa | networks@uhunix.uhcc.hawaii.edu  
2565 The Mall, Honolulu, HI 96822 | whinery@nancy.uhcc.hawaii.edu  
(808)956-9167 FAX (808)956-2412 |

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Date: 3 Mar 93 02:46:53 GMT  
From: ogicse!uwm.edu!wupost!sdd.hp.com!hpscit.sc.hp.com!rkarlqu@network.UCSD.EDU  
Subject: How about a J-wire for HF?  
To: info-hams@ucsd.edu

Thorburn\_Gary (thorburn@sceng.UB.COM) wrote:

: There's been lots of talk about the sleeved dipole and  
: j-pole recently in this forum. I've often wished for an  
: end-fed or off-center fed HF wire antenna, but stayed away  
: from them because I hear that their poorly-balanced design  
: results in RF coming back down the coax.  
:  
: This would be an off-center fed "sloper" hoisted up into a  
: tree. Its advantage is that it's fed from the more  
: convenient lower end of the slope.  
:  
: -- Gary KB1AIF thorburn@sceng.ub.com  
:

I once built an end-fed 130 foot wire on 80 and 40 meters. Being a half-wave or full-wave in length, the impedance was very high, 2500 ohms on 80 and 900 ohms on 40. I matched it with lumped elements (one L, one C) located at the top of one of the towers holding it up. The tower and tribander were the counterpoise. Worked like a champ! Why bother with a 1/4 wave of open wire as a matching

section?

Rick N6RK  
rkarlqu@scd.hp.com

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Date: Tue, 2 Mar 1993 15:25:10 GMT  
From: elroy.jpl.nasa.gov!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!  
bnlux1.bnl.gov!skora@ames.arpa  
Subject: Icom w21 comments ???  
To: info-hams@ucsd.edu

Ham Radio Outlet has the new Icom W-21 ht available now and  
says many have been sold -- with none returned yet.

Any comments from owners? It looks nice but I'd like to hear  
a couple of reports before spending another \$500 for a ht.

Tnx and 73- John

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John Skora skora@bnlux1.bnl.gov  
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Date: Tue, 2 Mar 1993 21:07:15 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!  
usc!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!alanb@network.UCSD.EDU  
Subject: Re: 2m Beam  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, wejones@cbda7.apgea.army.mil (Bill Jones) writes:

>Everyone seems in agreement that larger diameter elements give wider  
>bandwidth, yet when I tried playing with the Yagimax program that is  
>floating around the net, it seems to indicate the opposite, at least in terms  
>of SWR (the gain and F/B are less definative).

One possible reason: were you using tapered elements? A fat tapered  
element with a skinny tip will have less bandwidth than a medium-sized  
non-tapered element with greater average thickness.

>One additional unrelated question. How important is it to have a true  
>ground, when using a J-POLE antenna? I run my 2-meter packet rig off  
>a car battery, and the system is not grounded anywhere, except perhaps

>at the computer (since even the TNC runs off an isolated transformer).  
>How much would grounding help performance, and where should the system  
>be grounded, at the antenna or at the transmitter, or both?

An earth ground is not necessary. It should have no effect on RF performance. Since J-poles have no radials ("ground plane") they do tend to have more feedline radiation than a vertical antenna with radials. But this has nothing to do with earth ground.

AL N1AL

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Date: 4 Mar 93 01:08:00 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!menudo.uh.edu!jetson.uh.edu!  
st1hg@network.UCSD.EDU  
Subject: Squeeling and sqwaking ICW2A  
To: info-hams@ucsd.edu

Greetings,

I have a problem that just developed with my Icom W2A HT. The internal speaker has started squeeling and sqwaking sounding much like feedback, whenever it recieves weak or very strong signals. In the car I do run the volume all the way up but the volume level does not seem to affect this problem. Does anyone else have this problem with their W2A? The problem seems to be more prevalent with higher pitched voices. ie women. Please send replies via E-Mail.

Thanx in advance,

-Mac.

N5WVD.

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Date: 3 Mar 93 10:10:00 GMT  
From: netcomsv!netcomsv!pcs!bill.nadzam@decwrl.dec.com  
Subject: ts940 Mars Mod.  
To: info-hams@ucsd.edu

TRDoes anyone have the mod for a TS940 to allow MARS transmitting? I need to kn  
TRalso, anyone have mods for the TH46AT?  
TRthanks - Tony AB6GA/NNNØRFL

TS940.10

KENWOOD 940

Locate IC number 109. Now find diode 130 and cut it for all-band transmit. If you want just MARS coverage, locate IC 111 and 112, and

snip diode 135 beside it.

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. EZ 1.37 . 73 de Bill K8WN ...\_.\_

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Date: 2 Mar 93 20:47:40 GMT  
From: ogicse!uwm.edu!wupost!usc!hacgate!dunes!tony@network.UCSD.EDU  
Subject: ts940 mod & th46A mods  
To: info-hams@ucsd.edu

Does anyone have the mod for a TS940 to allow MARS transmitting? I need to know before I get one so I can not miss a net..

also, anyone have mods for the TH46AT?

thanks - Tony AB6GA/NNN0RFL

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Know thy Self! (if you need help, call the C.I.A.)

---- The options expressed here are mine and have nothing to do with Hughes Aircraft Co. -- So there! tony@hacgate.hac.com

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Date: 4 Mar 93 04:35:08 GMT  
From: ogicse!uwm.edu!wupost!csus.edu!netcom.com!joe@network.UCSD.EDU  
Subject: WD8DAS synch detector - Impressions?  
To: info-hams@ucsd.edu

Yes, I have built his AM Sync kit. The circuit is copied from a Sony 2010 service manual and uses the identical chip for AM sync detection. Surface mounted components on a single sided board is the design. Seems to work ok, and individual right and left (upper and lower sidebands) channels are available.

My advice is to purchase the Lowe 150 and obtain superior AM Sync detection WITH the entire receiver! Sure, it will cost more...

..joe

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Joseph Jesson   joe@netcom.com   Day (312) 856-3645   Eve (708) 356-6817  
21414 W. Honey Lane, Lake Villa, IL, 60046  
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Date: Wed, 03 Mar 1993 01:07:47 GMT  
From: agate!usenet.ins.cwru.edu!neoucom.edu!wtm@ames.arpa

Subject: Yeasu 5200 information needed  
To: info-hams@ucsd.edu

The FT-5100 uses the same hand microphone. The 5100 manual explicitly says that the P key has no effect when the microphone is connected to the 5100. On the the 2 meter FT-2400, the P key selects the priority frequency. The latter has an 8-pin RJ-45 instead of the traditional round connector.

If you don't need the removable front panel of the FT-5200, consider the 5100. The 5100 does dual in-band receive; it is more convenient than you'd think.

The frequency limits of the 5100 (the one I've got) are dial selectable once several jumpers on the front panel are removed and others installed. I'd imagine, given the similarity of the 5200, that the procedure is similar. The mod sheet is available from Yaesu. This will give you MARS/CAP capability and weather band coverage.

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Bill Mayhew        NEOUCOM Computer Services Department  
Rootstown, OH 44272-9995 USA    phone: 216-325-2511  
wtm@uhura.neoucom.edu (140.220.1.1)    146.580: N8WED

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Date: 3 Mar 93 13:54:02 EST  
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa  
To: info-hams@ucsd.edu

References <1993Mar1.151728.6092@wkuvx1.bitnet>, <1993Mar02.204025.12053@ssc.com>,  
<1993Mar3.153306.26428@news.columbia.edu>  
Subject : Re: NEED DOPPLER DF INFO

In article <1993Mar3.153306.26428@news.columbia.edu>,  
mac20@cunif.cc.columbia.edu (Michael A Cecere) wrote:  
> Speaking of doppler direction finding can someone give me the low-down  
> on the principles involved?  
> I mean, basically, who's moving?

Mike-

I had the same question. My first thought was that the DF system was merely sold by a company with "Doppler" in their name. The more I think about it, there may be electronic movement involved!

As I understand the Doppler Systems' system, it consists of several vertical elements mounted in a circle on a ground plane. The elements are electronically selected in such a way that the resulting pattern is directional. If only a pair were selected at a time, there would be a 180 degree ambiguity regarding the true direction of the signal being analyzed.

However, if the pattern were being rotated by selecting sequential pairs around the circle, it would be as if one element was moving toward the signal source, while its mate was being rotated away from the source. The resulting doppler effect would be observed as frequency (phase?) shifts in the pair of received signals, which would contain information necessary to eliminate the ambiguity.

73, Fred, K4DII

[fred-mckenzie@ksc.nasa.gov](mailto:fred-mckenzie@ksc.nasa.gov)

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End of Info-Hams Digest V93 #282

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